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PAT-NO: JP02000275757A

DOCUMENT-IDENTIFIER: JP 2000275757 A

TITLE: METHOD AND DEVICE FOR EVALUATING IMAGE

PUBN-DATE: October 6, 2000

INVENTOR-INFORMATION:

NAME COUNTRY

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INT-CL (IPC): G03B042/02

ABSTRACT:

PROBLEM TO BE SOLVED: To make quantifiable the standard for judging image abnormality to make efficiently performable an objective evaluation by setting a Mahalanobis space by using prescribed featured values extracted from a prescribed image data beforehand.

SOLUTION: A radioactive ray image is read from an accumulative phosphor sheet as a digital image data by an image reading means 12. An image sample extracting means 14 extracts a sample from the read image sample as necessary. A Mahalanobis space setting means 16 calculates prescribed featured values from the extracted image sample and sets a Mahalanobis space. A Mahalanobis distance calculating means 18 calculates what is called a 'Mahalanobis distance' in the Mahalanobis space concerning a sample extracted from an image data separately read for evaluation. An image evaluating means 20 evaluates unevenness of the image by comparing the calculated Mahalanobis distance with a prescribed threshold value.

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Abstract Text - FPAR (2):

SOLUTION: A radioactive ray image is read from an accumulative phosphor sheet as a digital image data by an image reading means 12. An image sample extracting means 14 extracts a sample from the read image sample as necessary. A Mahalanobis space setting means 16 calculates prescribed featured values from the extracted image sample and sets a Mahalanobis space. A Mahalanobis distance calculating means 18 calculates what is called a 'Mahalanobis distance' in the Mahalanobis space concerning a sample extracted from an image data separately read for evaluation. An image evaluating means 20 evaluates unevenness of the image by comparing the calculated Mahalanobis distance with a prescribed threshold

value.

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